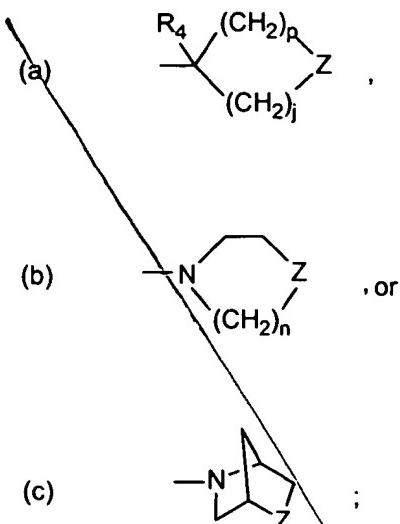


C1
Cont



B1 W is $\text{NHC}(=\text{X})\text{R}_1$, or -Y-het;

X is O, or S; provided that when X is O, B is not the subsection (b)[.];

Y is NH, O, or S;

Z is $\text{S}(=\text{O})(=\text{N}-\text{R}_5)$;

R_1 is

- (a) H,
- (b) NH_2 ,
- (c) $\text{NHC}_{1-4}\text{alkyl}$,
- (d) $\text{C}_{1-4}\text{alkyl}$,
- (e) $\text{C}_{2-4}\text{alkenyl}$,
- (f) $\text{OC}_{1-4}\text{alkyl}$,
- (g) $\text{SC}_{1-4}\text{alkyl}$, or
- (h) $(\text{CH}_2)_p \text{C}_{3-6}\text{cycloalkyl}$;

at each occurrence, alkyl or cycloalkyl in R_1 is optionally substituted with one or more F, Cl or CN;

R_2 and R_3 are independently H, F, Cl, methyl or ethyl;

R_4 is H, CH_3 , or F;

R_5 is

- (c) $\text{C}(=\text{O})\text{C}_{1-4}\text{alkyl}$,
- (d) $\text{C}(=\text{O})\text{OC}_{1-4}\text{alkyl}$,

(e) $\text{C}(=\text{O})\text{NHR}_6$, or

(f) $\text{C}(=\text{S})\text{NHR}_6$;

C1
Cont
R₆ is H, C₁₋₄alkyl, or phenyl;

at each occurrence, alkyl in R₅ and R₆ is optionally substituted with one or more halo, CN, NO₂, phenyl, C₃₋₆ cycloalkyl, OR₇, C(=O)R₇, OC(=O)R₇, C(=O)OR₇, S(=O)_mR₇, S(=O)_mNR₇R₇, NR₇SO₂R₇, NR₇SO₂NR₇R₇, NR₇C(=O)R₇, C(=O)NR₇R₇, NR₇R₇, oxo, or oxime;

B1
R₇ is H, C₁₋₄alkyl, or phenyl;

at each occurrence, phenyl is optionally substituted with one or more halo, CF₃, CH₃, CN, NO₂, phenyl, C₃₋₆ cycloalkyl, OR₇, C(=O)R₇, OC(=O)R₇, C(=O)OR₇, S(=O)_mR₇, S(=O)_mNR₇R₇, NR₇SO₂R₇, NR₇SO₂NR₇R₇, NR₇C(=O)R₇, C(=O)NR₇R₇, or NR₇R₇;

het is a C-linked five- (5) membered heteroaryl ring having 1-4 heteroatoms selected from the group consisting of oxygen, sulfur, and nitrogen, or het is a C-linked six (6) membered heteroaryl ring having 1-3 nitrogen atoms;

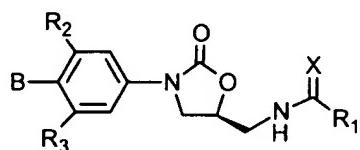
p is 0, 1, or 2;

j is 1, 2, 3, 4, or 5; provided that j and p taken together are 2, 3, 4 or 5;

m is 0, 1, or 2;

n is 2 or 3; and ---- in structure iii is either a double bond or a single bond.

2. A compound of claim 1 having the formula IA:



IA.

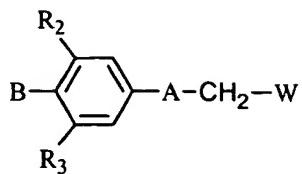
46. A compound of claim 2 which is

B2
N-((5*S*)-3-[3-fluoro-4-[1-(acetylimino)-1-oxidohexahydro-1λ⁴-thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl)methyl)acetamide, Z-isomer;

N-((5*S*)-3-[3-fluoro-4-[1-(acetylmino)-1-oxidohexahydro-1*λ*⁴-thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;
N-((5*S*)-3-[3-fluoro-4-(1-{{(methylamino)carbonyl]imino}-1-oxidohexahydro-1*λ*⁴-thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;
N-((5*S*)-3-[3-fluoro-4-(1-[(methoxycarbonyl)imino]-1-oxidohexahydro-1*λ*⁴-thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;
N-((5*S*)-3-[3-fluoro-4-(1-[[ethoxycarbonyl)methyl]imino]-1-oxidohexahydro-1*λ*⁴-thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;
N-((5*S*)-3-[3-fluoro-4-(1-{{[(4-nitrophenyl)amino]carbonyl]imino}-1-oxidohexahydro-1*λ*⁴-thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;
B²
N-((5*S*)-3-[3-fluoro-4-[1-[(aminocarbonyl)imino]-1-oxidohexahydro-1*λ*⁴-thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;
N-((5*S*)-3-[3-fluoro-4-[1-[(aminocarbonyl)methyl]imino]-1-oxidohexahydro-1*λ*⁴-thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;
N-[(5*S*)-3-{3-fluoro-4-(1-[(methoxycarbonyl)imino]-1-oxido-1*λ*⁴, 4-thiazinan-4-yl)phenyl}-2-oxo-1,3-oxazolidin-5-yl)methyl]propanethioamide;
N-[(5*S*)-3-{3-fluoro-4-(1-[(methoxycarbonyl)imino]-1-oxido-1*λ*⁴, 4-thiazinan-4-yl)phenyl}-2-oxo-1,3-oxazolidin-5-yl)methyl]cyclopropanecarbothioamide ;
N-[(5*S*)-3-{3-fluoro-4-[1-[(methoxycarbonyl)imino]-1-oxidohexahydro-1*λ*⁴-thiopyran-4-yl]phenyl}-2-oxo-1,3-oxazolidin-5-yl)methyl] cyclopropanecarbothioamide, Z-isomer;
N-[(5*S*)-3-{3-fluoro-4-[1-{{(phenylmethoxy)carbonyl]imino}-1-oxidohexahydro-1*λ*⁴-thiopyran-4-yl]phenyl}-2-oxo-1,3-oxazolidin-5-yl)methyl]acetamide, Z-isomer; or
N-((5*S*)-3-[3-fluoro-4-(1-{{(benzylamino)carbonyl]imino}-1-oxidohexahydro-1*λ*⁴-thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)acetamide, Z-isomer.

pC4 47.

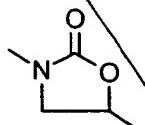
1. A compound of formula II



II

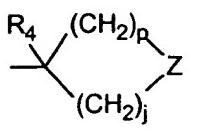
push C4
or a pharmaceutically acceptable salt thereof wherein:

A is a structure ii



ii ;

B2
B is

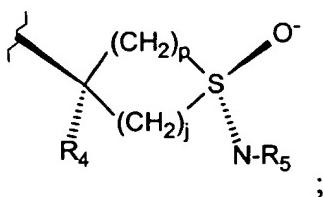


W is NHC(=X)R₁, or -Y-het;

X is O, or S;

Y is NH, O, or S;

Z is S(=O)(=N-R₅) and the B ring has the following stereochemistry



R₁ is

- (a) H,
- (b) NH₂,
- (c) NHC₁₋₄alkyl,

- C4*
cont
- (d) C₁₋₄alkyl,
 - (e) C₂₋₄alkenyl,
 - (f) OC₁₋₄alkyl,
 - (g) SC₁₋₄alkyl, or
 - (h) (CH₂)_pC₃₋₆cycloalkyl;

at each occurrence, alkyl or cycloalkyl in R₁ is optionally substituted with one or more F, Cl or CN;

R₂ and R₃ are independently H, F, Cl, methyl or ethyl;

R₄ is H, CH₃, or F;

R₅ is

- B2*
- (a) H,
 - (b) C₁₋₄alkyl,
 - (c) C(=O)C₁₋₄alkyl,
 - (d) C(=O)OC₁₋₄alkyl,
 - (e) C(=O)NHR₆, or
 - (f) C(=S)NHR₆;

R₆ is H, C₁₋₄alkyl, or phenyl;

at each occurrence, alkyl in R₅ and R₆ is optionally substituted with one or more halo, CN, NO₂, phenyl, C₃₋₆cycloalkyl, OR₇, C(=O)R₇, OC(=O)R₇, C(=O)OR₇, S(=O)_mR₇, S(=O)_mNR₇R₇, NR₇SO₂R₇, NR₇SO₂NR₇R₇, NR₇C(=O)R₇, C(=O)NR₇R₇, NR₇R₇, oxo, or oxime;

R₇ is H, C₁₋₄alkyl, or phenyl;

at each occurrence, phenyl is optionally substituted with one or more halo, CF₃, CH₃, CN, NO₂, phenyl, C₃₋₆cycloalkyl, OR₇, C(=O)R₇, OC(=O)R₇, C(=O)OR₇, S(=O)_mR₇, S(=O)_mNR₇R₇, NR₇SO₂R₇, NR₇SO₂NR₇R₇, NR₇C(=O)R₇, C(=O)NR₇R₇, or NR₇R₇;

het is a C-linked five- (5) membered heteroaryl ring having 1-4 heteroatoms selected from the group consisting of oxygen, sulfur, and nitrogen, or het is a C-linked six (6) membered heteroaryl ring having 1-3 nitrogen atoms;

p is 0, 1, or 2;

j is 1, 2, 3, 4, or 5; provided that j and p taken together are 2, 3, 4 or 5;

B2

m is 0, 1, or 2;

*C4
cont*

and --- in structure iii is either a double bond or a single bond..

*B3*52. The compound of claim 47 wherein R₁ is cyclopropyl.

65. A compound of claim 47 which is

push C6
N-((5S)-3-[3-fluoro-4-(1-imino-1-oxidohexahydro-1λ⁴-thiopyran-4-yl)phenyl]-2-oxo-

1,3-oxazolidin-5-yl}methyl)acetamide (Z)-isomer;

N-((5S)-3-[3-fluoro-4-(1-imino-1-oxidohexahydro-1λ⁴-thiopyran-4-yl)phenyl]-2-oxo-
1,3-oxazolidin-5-yl}methyl)ethanethioamide (Z)-isomer;N-((5S)-3-[3-fluoro-4-(1-imino-1-oxidohexahydro-1λ⁴-thiopyran-4-yl)phenyl]-2-oxo-
1,3-oxazolidin-5-yl}methyl)propanethioamide (Z)-isomer;N-((5S)-3-[3-fluoro-4-(1-imino-1-oxidohexahydro-1λ⁴-thiopyran-4-yl)phenyl]-2-oxo-
1,3-oxazolidin-5-yl}methyl)cyclopropanethioamide (Z)-isomer;N-((5S)-3-[3-fluoro-4-[1-(acetylimino)-1-oxidohexahydro-1λ⁴-thiopyran-4-yl]phenyl]-2-
oxo-1,3-oxazolidin-5-yl}methyl)acetamide, Z-isomer;N-((5S)-3-[3-fluoro-4-[1-(methylimino)-1-oxidohexahydro-1λ⁴-thiopyran-4-yl]phenyl]-
2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;N-((5S)-3-[3-fluoro-4-[1-(acetylimino)-1-oxidohexahydro-1λ⁴-thiopyran-4-yl]phenyl]-2-
oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;N-((5S)-3-[3-fluoro-4-[1-(ethylimino)-1-oxidohexahydro-1λ⁴-thiopyran-4-yl]phenyl]-2-
oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;N-((5S)-3-[3-fluoro-4-[1-[(phenylmethyl)imino]-1-oxidohexahydro-1λ⁴-thiopyran-4-
yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;N-((5S)-3-[3-fluoro-4-[1-[(3-phenylpropyl)imino]-1-oxidohexahydro-1λ⁴-thiopyran-4-
yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;N-((5S)-3-[3-fluoro-4-(1-{{(methylamino)carbonyl}imino}-1-oxidohexahydro-1λ⁴-
thiopyran-4-yl)phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;

~~N-((5S)-3-[3-fluoro-4-(1-[(methoxycarbonyl)imino]-1-oxidohexahydro-1 λ^4 -thiopyran-4-yl)phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;~~

~~N-((5S)-3-[3-fluoro-4-(1-[[ethoxycarbonyl)methyl]imino]-1-oxidohexahydro-1 λ^4 -thiopyran-4-yl)phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;~~

~~N-((5S)-3-[3-fluoro-4-(1-{{[(4-nitrophenyl)amino]carbonyl]imino}-1-oxidohexahydro-1 λ^4 -thiopyran-4-yl)phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer ;~~

~~B 4
C 6
cont~~
~~N-((5S)-3-[3-fluoro-4-[1-[(aminocarbonyl)imino]-1-oxidohexahydro-1 λ^4 -thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;~~

~~N-((5S)-3-[3-fluoro-4-[1-[(aminocarbonyl)methyl]imino]-1-oxidohexahydro-1 λ^4 -thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;~~

~~N-((5S)-3-[3-fluoro-4-[1-[(2-hydroxyethyl)imino]-1-oxidohexahydro-1 λ^4 -thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)propanethioamide, Z-isomer;~~

~~N-((5S)-3-[3-fluoro-4-[1-(methylimino)-1-oxidohexahydro-1 λ^4 -thiopyran-4-yl]phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)cyclopropanecarbothioamide, Z-isomer;~~

~~N-[(5S)-3-{3-fluoro-4-[1-[(methoxycarbonyl)imino]-1-oxidohexahydro-1 λ^4 -thiopyran-4-yl]phenyl}-2-oxo-1,3-oxazolidin-5-yl)methyl]cyclopropanecarbothioamide, Z-isomer;~~

~~N-[(5S)-3-{3-fluoro-4-[1-[(phenylmethoxy)carbonyl]imino]-1-oxidohexahydro-1 λ^4 -thiopyran-4-yl]phenyl}-2-oxo-1,3-oxazolidin-5-yl)methyl]acetamide, Z-isomer; or~~

~~N-((5S)-3-[3- Fluoro-4-(1-{{[(benzylamino)carbonyl]imino}-1-oxidohexahydro-1 λ^4 -thiopyran-4-yl)phenyl]-2-oxo-1,3-oxazolidin-5-yl}methyl)acetamide, Z-isomer.~~